Defining Versioned Libraries

The parameters for storing previous versions of some edited Natural ISPF objects are described in the subsection Natural ISPF Parameters. The versioning function is activated by the user using the VERSIONS ON setting in the user profile. For further information, see the following subsections in the Natural ISPF User's Documentation:

- Versioning in Section Useful Features;
- Section Profile Maintenance.

Additionally, you can enforce versioning for specific Natural libraries, partitioned organized (PO) datasets and VSE/ESA libraries or sublibraries. Previous versions of members in these libraries are always stored according to the parameters set in the Natural ISPF system parameter table, irrespective of the VERSIONS setting in the user profile.

Versioning for specific libraries is enforced by specifying the library names in a member in the User Profile Library. Together with the library name, you can specify whether Natural ISPF will prompt the user to give a reason for changing a member when issuing the SAVE or STOW command.

This is done by adding the keyword REASON to the library name (see the examples below). The reason for change is then displayed when the user requests a lists of versions for the member (see the subsection Versioning in Section Useful Features in the Natural ISPF User's Documentation).

Natural Versioned Libraries

The names of all Natural libraries for which versioning is to be enforced at all times are maintained in the member VERLSTN in the User Profile Library. The NAT VERS option on the Administrator Menu gives direct write access to this member.

The following is an example of the member VERLSTN:

```
EDIT-CNF:SYSISPFU(VERLSTN)-Program->Struct-Free-45K ----------- Columns 001 072
  COMMAND===>                                              SCROLL===> CSR
 ****** **************************** top of data ***************************
 000010 NSPF140 REASON
 000020 SYSISP2T
 000030 SYSISPFU
 000040 SYSISP2S
 ****** *************************** bottom of data **************************




                                                     


                                                     



                                                     

                                                     
                                                     

  Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
       Help  Split End   Suspe Rfind Rchan Up    Down  Swap  Left  Right Curso
```

Versioning is activated for all Natural libraries listed (one library per line). Note that when a user SAVEs or STOWs a member after modification in the library NSPF140, a prompt window allows the user to enter a reason for the change.

PDS Versioned Libraries

The names of all datasets for which versioning is to be active at all times are maintained in member VERLSTP in the User Profile Library. The PDS VERS option on the Administrator Menu gives direct write access to this member.

The following is an example of the member VERLSTP:

```
EDIT-CNF:SYSISPFU(VERLSTP)-Program->Struct-Free-45K ----------- Columns 001 072
  COMMAND===>                                                  SCROLL===> CSR
 ****** **************************** top of data ****************************
 000010 EDITOR.SYSF.ZAPS
 000020 EDITOR.COMN.SOURCE
 000030 EDITOR.COMN.SYSTEM.SRCE REASON
 ****** ************************** bottom of data **************************




















 Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
       Help  Split End   Suspe Rfind Rchan Up    Down  Swap  Left  Right Curso
```

Versioning is activated for all datasets listed (one dataset per line). Note that when a user SAVEs a member after modification in the library EDITOR.COMN.SYSTEM.SRCE, a prompt window allows the user to enter a reason for the change.

VSE/ESA Versioned Libraries

The names of all libraries/sublibraries for which versioning is to be active at all times are maintained in member VERLSTDP in the User Profile Library. The VSE/ESA VERS option on the Administrator Menu gives direct write access to this member.

The following is an example of the member VERLSTDP:

```
EDIT-CNF:SYSISPFU(VERLSTDP) -------------------------------- Columns 001 072
  COMMAND===>                                                  SCROLL===> CSR
 ****** **************************** top of data ****************************
 000010 NATPROC.IV131.SYSTEM.LIBRARY
 000020 USRLIB.WHE REASON
 ****** ************************** bottom of data **************************




 Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help  Split End   Suspe Rfind Rchan Up    Down  Swap  Left  Right Curso
```

The library notation can be as follows:

- **Library-name:**
  Versioning is active for all members in all sublibraries in the library.
- **Library . sublibrary:**
  Versioning is active for all members in the specified sublibrary.

Versioning is activated for all libraries/sublibraries listed (one dataset per line). Note that when a user SAVEs a member after modification in library/sublibrary USRLIB.WHE, a prompt window allows the user to enter a reason for the change.